

**Steese Highway  
Chena Hot Springs Road  
Ramp Termini Roundabouts  
0650(026)/63467**

July 21st, 2014 Public Meeting



# Welcome

The purpose of this meeting is to:

- Provide information about the project
- Hear from you



# Project Scope

Construct a single-lane roundabouts at this location.

## Purpose

Reduce crashes







# Reason

- Obstructed sight distance
- Close proximity of bridge walls
  - Crest curve
  - High speeds

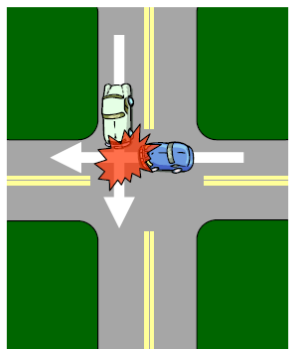


# Crash History

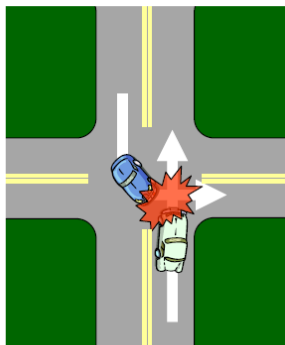
Safety Problem description:

**14 Total crashes between 2005 and 2009**

**Angle**



**Left turn**



Crash Type	NB Ramp	SB Ramp	Total
Angle (incl. Left Turns)	3	6	9
Other	2	3	5

Crash Severity	NB Ramp	SB Ramp	Total
Property Damage	3	5	8
Minor Injury	2	4	6
Fatal	0	0	0



# Safety

## Roundabout Benefits

Roundabouts reduced injury crashes by 75% at intersections where stop signs or signals were previously used for traffic control. Studies by the Insurance Institute for Highway Safety and Federal Highway Administration have shown that roundabouts typically achieve:

- ✓ 37% reduction in overall collisions
- ✓ 75% reduction in injury collisions
- ✓ 90% reduction in fatality collisions
- ✓ 40% reduction in pedestrian collisions



# Safety

## Low travel speeds –

Drivers must slow down and yield to traffic before entering a roundabout.

Speeds in the roundabout are typically between 15 and 20 miles per hour.

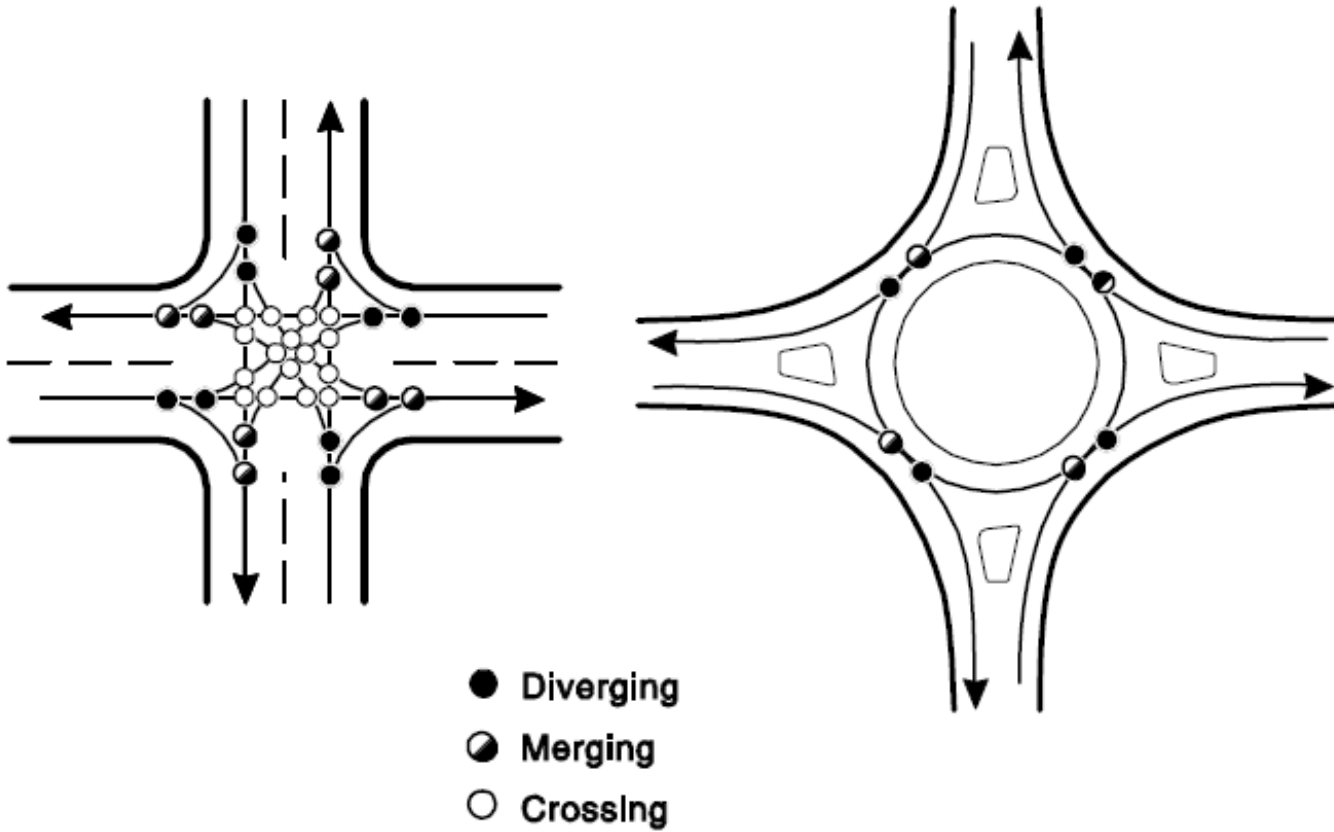
## One-way travel –

Roads entering a roundabout are gently curved to direct drivers into the intersection and help them travel counterclockwise around the roundabout.

The curved roads and one-way travel around the roundabout eliminate the possibility for T-bone and head-on collisions.



# Safety





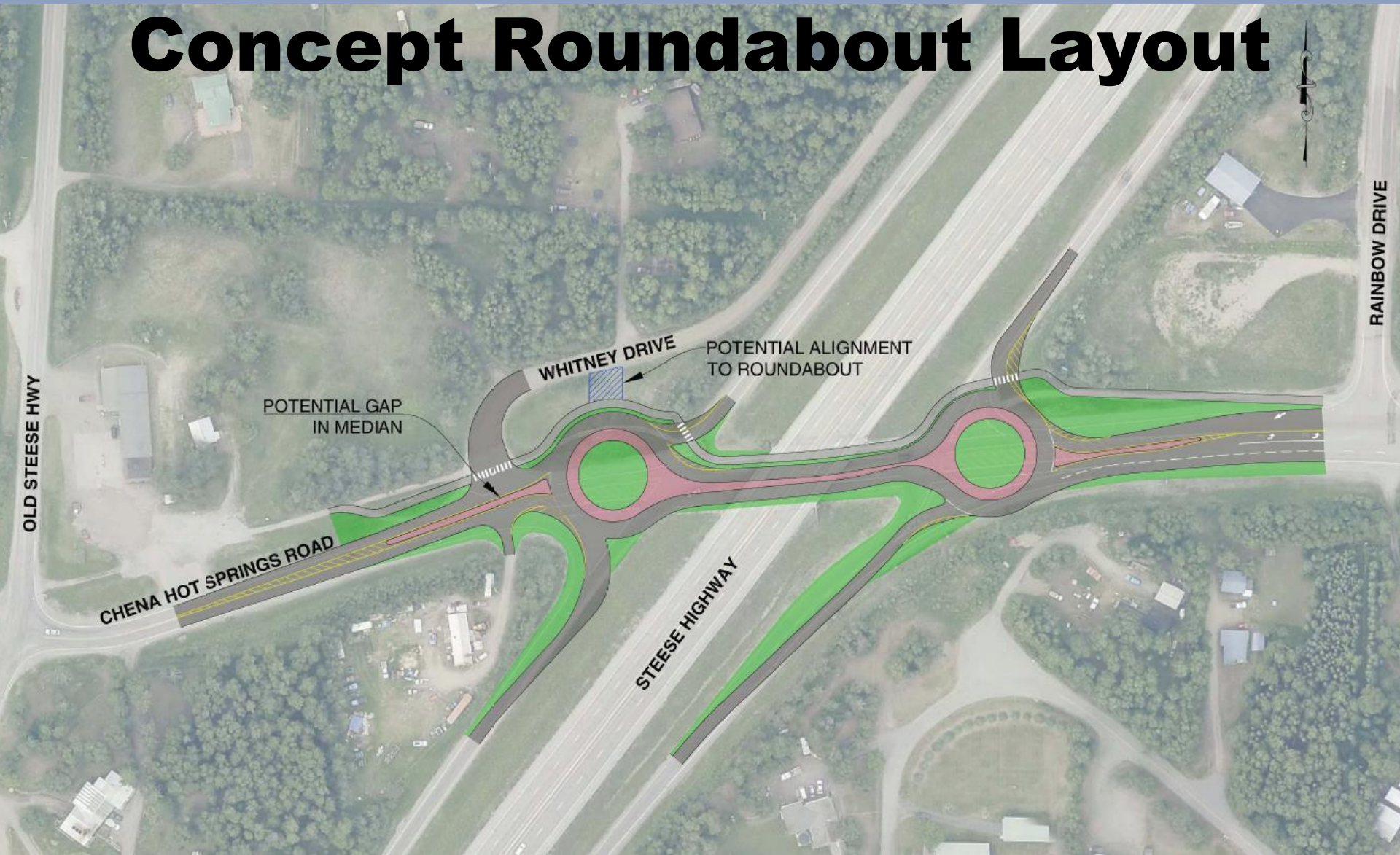


# Benefit Considerations

- **Safety**  
reduction in crash frequency and severity
- **Operations**  
reduction in vehicle delay (compared to other intersection control)
- **Environment**  
reduction in fuel consumption & improved air quality
- **Economic**  
higher savings versus traffic signals



# Concept Roundabout Layout







# Funding

## Highway Safety Improvement Program (HSIP)

The project is funded with Federal-aid Highway Funds.



# Estimated Costs

Design.....	\$450,000
Utilities.....	\$60,000
Construction.....	\$2,379,000
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TOTAL	\$2,889,000





# Construction

- Construction anticipated in 2016





# Conclusion

- We want to hear from you.
- Please send us your comments by August 1<sup>st</sup>, 2014
- THANK YOU